Adrian Leal

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EDUCATION

Bachelor of Science, Computer Science　　　　　　　　　　　　　　　　　　Expected May 2021
College of Science and Engineering, University of Minnesota – Twin Cities　　　Minneapolis, MN
GPA: 3.33

Bachelor of Science, International Business & Business Management　　　　　　May 2019
University of Wisconsin – Superior　　　　　　　　　　　　　　　　　　　　　Superior, WI
GPA: 3.8, Dean's List 7 Semesters

Relevant Courses

Intr. to Operating System, Artificial Intelligence II, Intr. to Machine Learning, Algorithms and Data Structures, Linear Algebra, Embedded Systems Design

PROJECTS

Realtor Site, Independent Project　　　　　　　　　　　　　　　　　　　　August 2020
- Built a personal site for a real estate agent using the Django framework
- Added the functionally for the realtor to add listings, relevant news, and get contacted by users
- Hosted the site on Heroku with a Postgres database and the media files are stored using AWS' S3 buckets

React Site, Independent Project　　　　　　　　　　　　　　　　　　　　July 2020
- Created a fictional site for a luxury apartment group using the Reach framework
- Gained valuable experience with the React framework, JavaScript, HTML, and CSS for future projects

Solar Tracker, Embedded Systems Design　　　　　　　　　　　　　　　　May 2019
- Programmed a microcontroller using C that follows the more intense source of light
- Used four sensors to compare voltage readings and determine if a movement is needed

SKILLS

Languages: Python, Java, C/C++/C#, JavaScript, Swift
Software and Frameworks: React, Django, TensorFlow, Keras, Unity
Development Environments: Linux, Windows, MacOS
Foreign Language: Fluent in Spanish
Learning Independently: ML with TensorFlow and Scikit-Learn, Unity ML Agents, Docker, AWS

EXPERIENCE

Mu2e Student Researcher, UMN – Twin Cities　　　　　　　　　　　　July 2020 – Present
- Work on the development of the GUI for data collection and production tracking
- Improve and troubleshoot software issues and create implementations to write data to a SQL database
- Help in the production process of the 250 panels the UMN is manufacturing for the Mu2e experiment

Student Tech Support Services, UMN – Twin Cities　　　　　September 2019 – July 2020
- Performed daily tasks independently to ensure an inclusive, structured learning environment
- Applied troubleshooting techniques to software and hardware issues and improved labs over time

Student Lab Assistant, UW – Superior　　　　　　　　　　　　January 2018 – July 2019
- Monitored usage of computer labs, installed and removed equipment

Development Specialist Intern, Duluth YMCA – Duluth, MN　　　　May 2017 – August 2017
- Provided customer service to donors via email, letter, or phone calls and planned the YMCA annual event

Summer Undergraduate Fellowship Research　　　　　　　　　　May 2017 – August 2017
- Conducted a research project about sustainable business practices that would benefit the economy of the area
- Presented at the National Conference of Undergraduate Research at the UCO, Oklahoma in April 2018

ACTIVITIES

Member, FSAE Gopher Motorsports　　　　　　　　　　　　　　　　　　　　Present
Member, Self-Driving Car Club　　　　　　　　　　　　　　　　　　　　　　Present
Captain, UW – Superior Men's Soccer Team　　　　　　　　　　　Fall 2015 – Fall 2018